

Title (en)
Lock cylinder for security lock

Title (de)
Dreh-schliess-zylinder für ein Sicherheitsschloss

Title (fr)
Barillet pour serrure de sécurité

Publication
EP 1632625 A1 20060308 (DE)

Application
EP 04405554 A 20040907

Priority
EP 04405554 A 20040907

Abstract (en)
The cylinder has a stator (S) and a rotor (R) with a key channel. Bolts (Z1-Z4) are arranged for rotary release of the rotor. Each bolt has a core pin (K1-K4), where each core pin has an inner part (20) and an outer part (10-13) that are undercut. The length of the outer parts and the length of the associated housing pin provide a length, which is greater than a length of a hole in which the housing pin is mounted.

IPC 8 full level
E05B 27/00 (2006.01); **E05B 15/14** (2006.01)

CPC (source: EP US)
E05B 27/0021 (2013.01 - EP US); **E05B 27/0057** (2013.01 - EP US); **E05B 47/0044** (2013.01 - EP US); **Y10T 70/7554** (2015.04 - EP US); **Y10T 70/7605** (2015.04 - EP US); **Y10T 70/7921** (2015.04 - EP US)

Citation (search report)

- [X] US 3762193 A 19731002 - HUCKNALL R
- [XA] WO 9707310 A1 19970227 - KELLER ERNST [CH]
- [X] WO 2004001165 A1 20031231 - MUL T LOCK TECHNOLOGIES LTD [IL], et al
- [X] JP S55126672 A 19800930 - GOAL KK
- [A] WO 0148340 A1 20010705 - STEMMERIK HENRIK DIRK [DK]
- [A] EP 0452297 A1 19911016 - GRUNDMANN GMBH GEB [AT]
- [A] US 4403486 A 19830913 - MIYAKE MITSUNORI [JP]

Cited by
ITPD20130028A1; EP3093417A1; EP1961896A3; ITMI20132092A1; IT201900010941A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1632625 A1 20060308; **EP 1632625 B1 20130626**; AU 2005209601 A1 20060323; AU 2005209601 B2 20100708; AU 2005209601 B8 20100722; DK 1632625 T3 20130930; ES 2425473 T3 20131015; PT 1632625 E 20130826; SI 1632625 T1 20131030; US 2006048554 A1 20060309

DOCDB simple family (application)
EP 04405554 A 20040907; AU 2005209601 A 20050907; DK 04405554 T 20040907; ES 04405554 T 20040907; PT 04405554 T 20040907; SI 200432085 T 20040907; US 22037905 A 20050907